What is claimed is:

1. A source-voltage-operated circuit comprising:

an operated circuit section operated according to a voltage supplied by an electric power source;

a control-voltage-supplying circuit section for deriving a voltage higher than the voltage supplied by said electric power source from said operated circuit section to rectify the derived voltage and output the resultant voltage as an operating voltage; and

a control circuit section operated according to the operating voltage for controlling the operation of said operated circuit section and stopping the operation of said operated circuit section when the operating voltage is decreased to a given reset voltage or below.

2. The source-voltage-operated circuit of claim 1, wherein said control-voltage-supplying circuit section is provided with a limiter circuit for restricting the operating voltage of said control circuit section so as not to increase excessively above a given voltage.

3. The source-voltage-operated circuit of claim 1, wherein said electric power source is an electric power source such that a supply voltage thereof fluctuates.

4. The source-voltage-operated circuit of claim 3, wherein said electric power source is a battery.

5. The source-voltage-operated circuit of claim 1, wherein said operated circuit section is a circuit section for carrying out the operation of outputting an infrared modulating signal, and

said control circuit section is a circuit section for carrying out the control of causing said operated circuit section to output a signal in response to an operational input as the infrared modulating signal.